

Converting Colors

XYZ(67.8117, 75.2730,
158.7960)

Have a look what the booklet for
XYZ(67.8117, 75.2730, 158.7960)
contains.

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Color

**XYZ(57.7893, 71.3840,
105.3404)**

Conversions

Conversions Part 1

Format	Color
Hex	89EAFF
RGB	137, 234, 255
RGB Percent	54%, 92%, 100%
CMY	0.4627, 0.0823, 0.0000
CMYK	0.46, 0.08, 0.00, 0.00
HSL	191°, 100%, 77%
HSV	191°, 46%, 100%
XYZ	57.7893, 71.3840, 105.3404
YIQ	207.3910, -64.5530, -14.0330

Conversions

Conversions Part 2

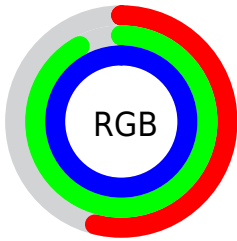
Format	Color
RYB	137, 190, 255
Decimal	9038591
CIELab	87.67, -23.27, -19.06
CIELCh	88, 30.085, 219.320
Yxy	71.3840, 0.2464, 0.3044
Android (android.graphics.Color)	4287228671 (0xFF89EAFB)
YUV	207.3910, 23.4712, -61.7329
Hunter-Lab	84.4891, -25.7644, -14.7800

Details

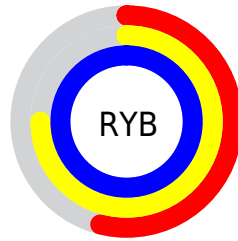
The XYZ color **57.7893, 71.3840, 105.3404** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.9828, 47.5204, 29.7851**, and the grayscale version is **59.4452, 62.5410, 68.1071**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **29.1740, 37.4958, 59.1259** is the 20% darker color. If you saturate the color by 10%, you get **52.8178, 66.9294, 104.7426**, and if you desaturate by 10%, it is **63.7855, 76.4192, 105.9963**.

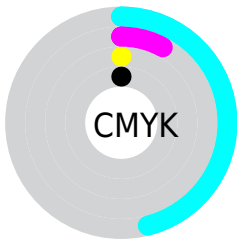
Distribution



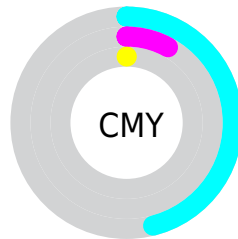
- Red (54%)
- Green (92%)
- Blue (100%)



- Red (54%)
- Yellow (75%)
- Blue (100%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7893, 71.3840, 105.3404 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 57.7893, 71.3840, 105.3404 by changing the saturation by 10% instead.

57.7893, 71.3840,
105.3404

57.7893, 71.3840,
105.3404

406.3669,
465.3947, 598.5744

41.8819, 52.6556,
80.1263

100.7407,
121.1803, 170.5926

29.1995, 37.5279,
59.2955

128.5154,
153.0171, 211.4678

19.3768, 25.6165,
42.4295

160.9766,
189.9921, 258.4005

12.0485, 16.5370,
29.1097

198.4895,
232.4897, 311.8091

6.8492, 9.9049,
18.9175

241.4197,
280.8944, 372.1123

3.4134, 5.3360,
11.4345

290.1324,

1.3760, 2.4457,

335.5906, 439.7285

6.2420

344.9930,
396.9625, 515.0764

■ 0.2390, 0.8493,
2.9216

■ 0.0000, 0.0000,
1.0548

■ 57.7893, 71.3840,
105.3404

■ 57.7893, 71.3840,
105.3404

■ 52.8178, 66.9294,
104.7426

■ 63.7855, 76.4192,
105.9963

■ 48.7942, 63.0107,
104.1983

■ 70.8645, 82.0604,
106.7120

■ 45.6402, 59.5886,
103.7040

■ 79.0868, 88.3409,
107.4909

■ 43.2618, 56.6143,
103.2553

■ 88.5070, 95.2891,
108.3355

■ 41.5419, 54.0273,
102.8466

95.0500, 100.0000,
108.9000

■ 41.0042, 53.1283,
102.7014

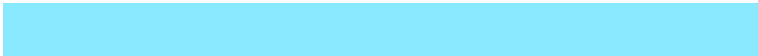
Harmonies

Analogous

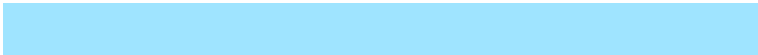
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2039, 71.3840, 84.2557



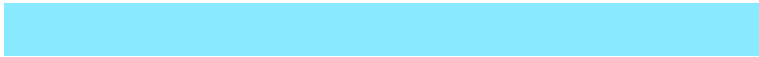
57.7893, 71.3840, 105.3404



63.1229, 71.3840, 120.5287

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.7893, 71.3840, 105.3404



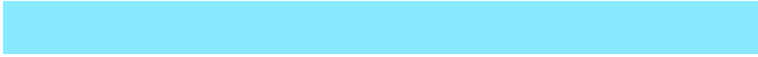
81.4938, 71.3840, 92.4254



65.6532, 71.3840, 45.0726

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.7893, 71.3840, 105.3404



57.9828, 47.5204, 29.7851

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8039, 71.3840, 46.4854



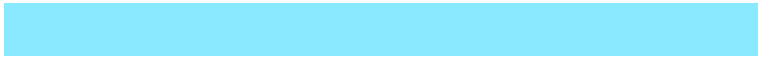
57.7893, 71.3840, 105.3404



82.2897, 71.3840, 71.5409

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.7893, 71.3840, 105.3404



76.9075, 71.3840, 112.2125



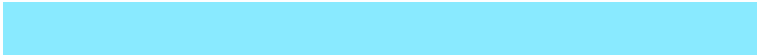
79.0118, 71.3840, 55.4143



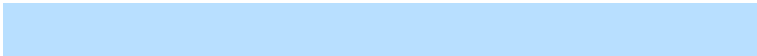
59.5301, 71.3840, 51.1447

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.7893, 71.3840, 105.3404



67.6858, 71.3840, 123.9448



79.0118, 71.3840, 55.4143



68.0112, 71.3840, 44.7152

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.7913, 71.3866, 105.3408



81.1206, 89.8603, 107.6770



52.1351, 79.2619, 44.3024



16.9495, 18.9249, 23.0095



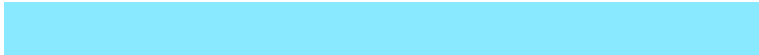
0.0000, 0.0000, 0.0000



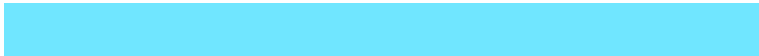
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.7913, 71.3866, 105.3408



52.9404, 67.0436, 104.7582



43.9588, 43.7216, 100.7300



18.2638, 19.8991, 23.1283



21.5256, 27.9607, 53.6970



2.1645, 2.8597, 5.2512

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.0382, 45.0935, 83.1209



61.2817, 38.5827, 78.7788



70.2267, 72.0082, 33.8664



18.6458, 18.2416, 22.0178



27.6533, 13.5506, 33.1544



2.7272, 1.3332, 3.4106

Previews

White Background



This preview shows how the XYZ color 57.7893, 71.3840, 105.3404 looks on a white background.

Color Contrast Check

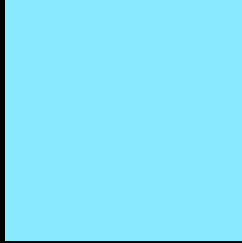
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 57.7893, 71.3840, 105.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.7893, 71.3840, 105.3404

Background



This preview shows how black text looks on a background with the XYZ color 57.7893, 71.3840, 105.3404.

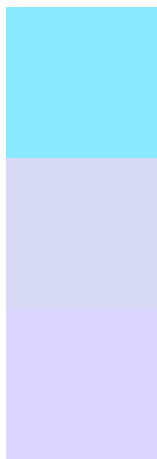


This preview shows how white text looks on a background with the XYZ color 57.7893, 71.3840,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

57.7893, 71.3840, 105.3404

Protanopia

69.1663, 70.6044, 95.5705

Deuteranopia

71.6118, 70.5288, 104.4468



Tritanopia

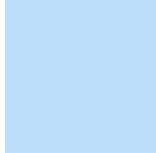
57.3058, 71.1717, 103.6457

Trichromacy



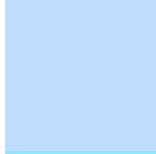
Original Color

57.7893, 71.3840, 105.3404



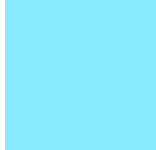
Protanomaly

63.8245, 70.1175, 98.9771



Deuteranomaly

65.1417, 69.8801, 104.6626



Tritanomaly

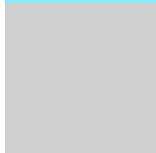
57.4656, 71.2356, 104.4870

Monochromacy



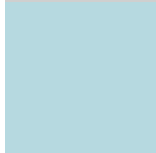
Original Color

57.7893, 71.3840, 105.3404



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

57.5588, 64.9526, 80.0244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7893, 71.3840, 105.3404 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(137, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 234, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(137, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.7893, 71.3840, 105.3404 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 234, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(137, 234, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(137, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7893, 71.3840, 105.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 234, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(137,  
234, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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